

St. Louis WDA Occupational Projections 2022-2024

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Short-Term Occupational projections are produced every year and are published in March.

Occupations are classified using the Standard Occupational Classification (SOC) system. Major occupation groups are at the two digit SOC level, while detailed c

Projections were made with historical data and information that was available at the time. Events that happen after these projections were made could alter the projections.

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Major Occupation Groups Information

Occupation	SOC Code	Occupation Title	2022	2024	2022-2024		2021 Wages				Annual Openings			
			Estimated Employment	Projected Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total
00-0000 Total, All Occupations			1,160,883	1,174,097	13,214	1.1%	\$29,555	\$56,890	\$45,526	\$65,042	56,193	77,730	6,607	140,530
11-0000 Management Occupations			76,801	78,135	1,334	1.7%	\$66,121	\$116,223	\$100,005	\$150,723	2,017	4,376	667	7,060
13-0000 Business and Financial Operations Occupations			82,777	83,344	567	0.7%	\$50,636	\$80,574	\$74,158	\$98,678	2,473	4,750	284	7,507
15-0000 Computer and Mathematical Occupations			40,920	41,437	517	1.3%	\$60,820	\$88,592	\$80,615	\$107,139	894	1,993	258	3,145
17-0000 Architecture and Engineering Occupations			19,448	19,597	149	0.8%	\$62,057	\$92,846	\$79,641	\$120,385	530	855	74	1,459
19-0000 Life, Physical, and Social Science Occupations			9,305	9,535	230	2.5%	\$46,344	\$64,850	\$60,497	\$78,733	209	679	115	1,003
21-0000 Community and Social Service Occupations			15,301	15,929	628	4.1%	\$36,907	\$47,617	\$45,657	\$56,680	582	882	314	1,778
23-0000 Legal Occupations			9,673	9,791	118	1.2%	\$53,385	\$103,752	\$77,448	\$128,711	298	348	59	705
25-0000 Educational Instruction and Library Occupations			51,166	52,789	1,623	3.2%	\$36,332	\$61,645	\$48,428	\$73,913	2,384	2,338	812	5,534
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations			20,331	20,566	235	1.2%	\$31,101	\$55,067	\$47,635	\$62,855	840	1,291	118	2,249
29-0000 Healthcare Practitioners and Technical Occupations			80,561	81,404	843	1.1%	\$47,380	\$85,529	\$62,358	\$93,806	2,432	2,260	422	5,114
31-0000 Healthcare Support Occupations			62,659	66,824	4,165	6.7%	\$22,680	\$29,392	\$27,943	\$31,492	4,673	5,018	2,082	11,773
33-0000 Protective Service Occupations			22,731	22,584	-147	-0.7%	\$29,696	\$50,733	\$45,277	\$63,970	1,216	1,510	-74	2,652
35-0000 Food Preparation and Serving Related Occupations			92,544	95,523	2,979	3.2%	\$22,965	\$28,671	\$26,457	\$29,811	7,632	9,178	1,490	18,300
37-0000 Building and Grounds Cleaning and Maintenance Occupations			41,517	42,749	1,232	3.0%	\$26,874	\$32,991	\$29,741	\$36,800	2,636	3,073	616	6,325
39-0000 Personal Care and Service Occupations			35,480	36,943	1,463	4.1%	\$23,346	\$32,235	\$27,351	\$35,894	2,576	3,782	732	7,090
41-0000 Sales and Related Occupations			95,370	92,428	-2,942	-3.1%	\$25,947	\$45,415	\$30,371	\$49,172	5,414	7,086	-1,471	11,029
43-0000 Office and Administrative Support Occupations			160,207	157,916	-2,291	-1.4%	\$30,143	\$43,282	\$37,700	\$48,058	8,608	10,624	-1,146	18,086
45-0000 Farming, Fishing, and Forestry Occupations			1,913	2,070	157	8.2%	\$27,579	\$35,808	\$32,601	\$40,005	100	214	78	392
47-0000 Construction and Extraction Occupations			49,339	50,371	1,032	2.1%	\$45,903	\$62,250	\$60,695	\$77,698	1,710	3,077	516	5,303
49-0000 Installation, Maintenance, and Repair Occupations			46,712	47,185	473	1.0%	\$37,421	\$53,728	\$48,318	\$62,505	1,718	2,816	236	4,770
51-0000 Production Occupations			63,011	63,183	172	0.3%	\$31,068	\$45,264	\$40,659	\$53,240	2,774	4,486	86	7,346
53-0000 Transportation and Material Moving Occupations			83,117	83,794	677	0.8%	\$29,320	\$41,098	\$36,907	\$47,879	4,476	7,094	338	11,908

Projections were made with historical data and information that was available at the time. Events that happen after these projections were made could alter these projections figures significantly.

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Top Job Openings

Openings based on job growth as well as replacement needs due to exits or transfers

Top Job Openings - St. Louis WDA 2022-2024

SOC Code	Occupation Title	Percent Growth	Median Annual Wage	Annual Openings	Typical Education Required
31-1120	Home Health and Personal Care Aides	10.9%	\$22,927	7,870	High school diploma or equivalent
53-7065	Stockers and Order Fillers	0.5%	\$30,208	3,668	High school diploma or equivalent
35-3031	Waiters and Waitresses	3.5%	\$22,949	3,454	No formal educational credential
35-3023	Fast Food and Counter Workers	2.0%	\$23,742	3,357	No formal educational credential
41-2011	Cashiers	-5.5%	\$25,821	3,188	No formal educational credential
11-1021	General and Operations Managers	1.6%	\$85,955	3,116	Bachelor's degree
43-4051	Customer Service Representatives	-1.2%	\$37,080	2,878	High school diploma or equivalent
41-2031	Retail Salespersons	-5.0%	\$28,377	2,866	No formal educational credential
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2.3%	\$29,217	2,583	No formal educational credential
43-9061	Office Clerks, General	-0.9%	\$37,080	2,462	High school diploma or equivalent
43-6014	Secretaries and Administrative Assistants	-1.1%	\$36,852	2,272	High school diploma or equivalent
35-2014	Cooks, Restaurant	8.2%	\$28,678	2,209	No formal educational credential
35-2011	Cooks, Fast Food	-0.4%	\$25,971	2,177	No formal educational credential
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1.0%	\$33,298	2,137	No formal educational credential
39-9011	Childcare Workers	5.0%	\$26,485	1,932	High school diploma or equivalent
29-1141	Registered Nurses	1.0%	\$70,463	1,915	Bachelor's degree
31-1131	Nursing Assistants	-0.5%	\$29,390	1,786	Postsecondary non-degree award
37-2012	Maids and Housekeeping Cleaners	4.8%	\$27,248	1,778	No formal educational credential
53-3032	Heavy and Tractor-Trailer Truck Drivers	1.0%	\$49,122	1,556	Postsecondary non-degree award
49-9071	Maintenance and Repair Workers, General	1.8%	\$46,594	1,435	High school diploma or equivalent
33-9032	Security Guards	3.3%	\$29,888	1,426	High school diploma or equivalent
43-3031	Bookkeeping, Accounting, and Auditing Clerks	-1.0%	\$46,541	1,424	Some college, no degree
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	3.6%	\$34,418	1,364	High school diploma or equivalent
43-1011	First-Line Supervisors of Office and Administrative Support Workers	-1.0%	\$61,035	1,327	High school diploma or equivalent
13-2011	Accountants and Auditors	0.7%	\$63,960	1,295	Bachelor's degree

Source: 2022-2024 Short-Term Occupational Projections, Missouri Economic Research and Information Center

Fastest Growing Occupations

Fastest growth defined by percent growth from base year to projected year

Fastest Growing Occupations - St. Louis WDA 2022-2024					
SOC Code	Occupation Title	Percent Growth	Median Annual Wage	Annual Openings	Typical Education Required
39-1013	First-Line Supervisors of Gambling Services Workers	16.1%	\$47,842	53	High school diploma or equivalent
43-4081	Hotel, Motel, and Resort Desk Clerks	14.0%	\$27,469	422	High school diploma or equivalent
31-1120	Home Health and Personal Care Aides	10.9%	\$22,927	7,870	High school diploma or equivalent
39-6011	Baggage Porters and Bellhops	10.5%	\$22,757	51	High school diploma or equivalent
25-2011	Preschool Teachers, Except Special Education	8.7%	\$29,966	336	Associate's degree
35-2014	Cooks, Restaurant	8.2%	\$28,678	2,209	No formal educational credential
29-1171	Nurse Practitioners	7.2%	\$101,861	265	Master's degree
39-7010	Tour and Travel Guides	7.0%	\$24,040	123	High school diploma or equivalent
39-3031	Ushers, Lobby Attendants, and Ticket Takers	6.9%	\$25,923	302	No formal educational credential
27-2023	Umpires, Referees, and Other Sports Officials	6.6%	\$45,327	90	High school diploma or equivalent
39-9031	Exercise Trainers and Group Fitness Instructors	6.3%	\$36,727	912	High school diploma or equivalent
35-3011	Bartenders	6.1%	\$26,040	952	No formal educational credential
21-1015	Rehabilitation Counselors	6.0%	\$43,149	75	Master's degree
13-1081	Logisticians	6.0%	\$79,455	162	Bachelor's degree
13-1121	Meeting, Convention, and Event Planners	5.8%	\$48,348	163	Bachelor's degree
25-3021	Self-Enrichment Teachers	5.7%	\$35,824	349	High school diploma or equivalent
15-2051	Data Scientists	5.7%	\$94,981	156	Bachelor's degree
21-1021	Child, Family, and School Social Workers	5.7%	\$38,433	325	Bachelor's degree
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	5.6%	\$46,913	210	Bachelor's degree
11-9111	Medical and Health Services Managers	5.3%	\$99,822	402	Bachelor's degree
29-1071	Physician Assistants	5.2%	\$78,232	76	Master's degree
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	5.1%	\$24,402	1,037	No formal educational credential
11-9151	Social and Community Service Managers	5.1%	\$62,007	86	Bachelor's degree
15-1254	Web Developers	5.1%	\$78,587	113	Bachelor's degree
43-5011	Cargo and Freight Agents	5.0%	\$38,207	169	High school diploma or equivalent

Occupations with less than 50 annual openings are omitted

Source: 2022-2024 Short-Term Occupational Projections, Missouri Economic Research and Information Center

All Occupation Information

Occupation	SOC Code	Occupation Title	2022		2024		2022-2024			2021 Wages			Annual Openings				Education, Experience, and Training		
			Estimated Employment	Projection Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total	Typical Education Required	Typical Experience Required	Typical Job Training		
00-0000 Total, All Occupations			1,160,883	1,174,097	13,214	1.1%	\$29,555	\$56,890	\$45,526	\$65,042	56,193	77,730	6,607	140,530					
11-0000 Management Occupations	76,801	78,135	1,334	1.7%	\$66,121	\$116,223	\$100,005	\$150,723	2,017	4,376	667	7,060							
11-1011 Chief Executives	1,522	1,500	-22	-1.5%	\$140,362	\$225,566	\$176,649	n/a	47	62	-11	98	Bachelor's degree	5 years or more	None				
11-1021 General and Operations Managers	32,743	33,256	513	1.6%	\$56,102	\$110,404	\$85,955	\$142,827	758	2,102	256	3,116	Bachelor's degree	5 years or more	None				
11-1031 Legislators	261	248	-13	-5.0%	\$21,425	\$47,925	\$22,357	\$59,271	8	12	-6	14	Bachelor's degree	Less than 5 years	None				
11-2011 Advertising and Promotions Managers	235	237	2	0.9%	\$78,414	\$100,694	\$99,090	\$119,408	4	18	1	23	Bachelor's degree	Less than 5 years	None				
11-2021 Marketing Managers	1,631	1,644	13	0.8%	\$85,381	\$125,278	\$103,799	\$162,154	38	105	6	149	Bachelor's degree	5 years or more	None				
11-2022 Sales Managers	2,571	2,581	10	0.4%	\$98,882	\$146,071	\$129,238	\$168,491	59	152	5	216	Bachelor's degree	Less than 5 years	None				
11-2032 Public Relations Managers	618	633	15	2.4%	\$80,709	\$121,503	\$103,029	\$161,516	17	34	8	59	Bachelor's degree	5 years or more	None				
11-2033 Fundraising Managers	214	223	9	4.2%	\$75,324	\$109,116	\$94,936	\$126,043	6	12	4	22	Bachelor's degree	5 years or more	None				
11-3012 Administrative Services Managers	1,325	1,341	16	1.2%	\$74,622	\$110,046	\$99,336	\$130,187	44	66	8	118	Bachelor's degree	Less than 5 years	None				
11-3013 Facilities Managers	649	657	8	1.2%	\$74,622	\$94,586	\$85,053	\$105,955	19	34	4	57	Bachelor's degree	Less than 5 years	None				
11-3021 Computer and Information Systems Managers	3,185	3,224	39	1.2%	\$103,779	\$145,103	\$132,450	\$169,124	59	176	20	255	Bachelor's degree	5 years or more	None				
11-3031 Financial Managers	5,296	5,412	116	2.2%	\$100,188	\$145,138	\$129,310	\$168,481	132	268	58	458	Bachelor's degree	5 years or more	None				
11-3051 Industrial Production Managers	1,839	1,850	11	0.6%	\$95,229	\$121,051	\$108,535	\$150,410	42	90	6	138	Bachelor's degree	5 years or more	None				
11-3061 Purchasing Managers	445	447	2	0.5%	\$99,973	\$134,625	\$126,746	\$161,511	24	1	37	1	Bachelor's degree	5 years or more	None				
11-3071 Transportation, Storage, and Distribution Managers	994	999	5	0.5%	\$67,555	\$100,243	\$94,314	\$127,110	24	58	2	84	High school diploma or equivalent	5 years or more	None				
11-3111 Compensation and Benefits Managers	106	105	-1	-0.9%	\$103,528	\$153,290	\$131,711	\$168,786	2	6	0	8	Bachelor's degree	5 years or more	None				
11-3121 Human Resources Managers	1,234	1,251	17	1.4%	\$88,699	\$127,681	\$106,536	\$150,723	36	67	8	111	Bachelor's degree	5 years or more	None				
11-3131 Training and Development Managers	114	115	1	0.9%	\$80,715	\$115,529	\$126,220	\$131,711	2	8	0	10	Bachelor's degree	5 years or more	None				
11-9013 Farmers, Ranchers, and Other Agricultural Managers	751	787	36	4.8%	\$74,622	\$88,514	\$94,522	\$94,810	54	28	18	100	High school diploma or equivalent	5 years or more	None				
11-9021 Construction Managers	1,813	1,854	41	2.3%	\$77,747	\$102,442	\$98,667	\$125,694	43	97	20	160	Bachelor's degree	None	Moderate-term on-the-job training				
11-9031 Education and Childcare Administrators, Preschool and Daycare	332	357	25	7.5%	\$37,867	\$48,576	\$38,885	\$59,173	10	16	12	38	Bachelor's degree	Less than 5 years	None				
11-9032 Education Administrators, Kindergarten through Secondary	2,197	2,253	56	2.6%	\$77,865	\$99,061	\$99,255	\$108,301	62	103	28	193	Master's degree	5 years or more	None				
11-9033 Education Administrators, Postsecondary	1,037	1,069	32	3.1%	\$74,622	\$111,017	\$99,336	\$128,380	29	48	16	93	Master's degree	Less than 5 years	None				
11-9039 Education Administrators, All Other	120	119	-1	-0.8%	\$54,995	\$74,423	\$61,067	\$96,595	4	6	0	10	Bachelor's degree	Less than 5 years	None				
11-9041 Architectural and Engineering Managers	1,183	1,191	8	0.7%	\$127,004	\$152,046	\$136,240	\$169,130	24	60	4	88	Bachelor's degree	5 years or more	None				
11-9051 Food Service Managers	1,003	1,035	32	3.2%	\$41,404	\$66,046	\$62,825	\$79,650	36	86	16	138	High school diploma or equivalent	Less than 5 years	Short-term on-the-job training				
11-9071 Gambling Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
11-9072 Entertainment and Recreation Managers, Except Gambling	166	172	6	3.6%	\$48,703	\$76,823	\$73,344	\$99,427	6	12	3	21	Bachelor's degree	Less than 5 years	None				
11-9081 Lodging Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
11-9111 Medical and Health Services Managers	3,771	3,971	200	5.3%	\$80,017	\$113,475	\$99,822	\$127,476	108	194	100	402	Bachelor's degree	Less than 5 years	None				
11-9121 Natural Sciences Managers	416	424	8	1.9%	\$59,542	\$101,357	\$78,893	\$127,009	10	22	4	36	Bachelor's degree	5 years or more	None				
11-9131 Postmasters and Mail Superintendents	37	37	0	0.0%	\$80,267	\$88,748	\$84,323	\$95,056	1	2	0	3	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training				
11-9141 Property, Real Estate, and Community Association Managers	3,481	3,527	46	1.3%	\$36,196	\$52,357	\$47,758	\$62,162	148	135	23	306	High school diploma or equivalent	Less than 5 years	None				
11-9151 Social and Community Service Managers	747	785	38	5.1%	\$49,771	\$69,688	\$62,007	\$79,920	26	41	19	86	Bachelor's degree	Less than 5 years	None				
11-9161 Emergency Management Directors	57	55	-2	-3.5%	\$60,501	\$81,514	\$62,315	\$88,255	2	3	-1	4	Bachelor's degree	5 years or more	None				
11-9171 Funeral Home Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
11-9179 Personal Service Managers, All Other	270	272	2	0.7%	\$30,207	\$41,571	\$38,427	\$48,833	8	13	1	22	High school diploma or equivalent	Less than 5 years	None				
11-9199 Managers, All Other	4,166	4,219	53	1.3%	\$96,269	\$127,303	\$126,239	\$155,938	128	200	26	354	Bachelor's degree	Less than 5 years	None				
13-0000 Business and Financial Operations Occupations	82,777	83,344	567	0.7%	\$50,636	\$80,574	\$74,158	\$98,678	2,473	4,750	284	7,507							
13-1011 Agents and Business Managers of Artists, Performers, and Athletes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	None				
13-1020 Buyers and Purchasing Agents	3,775	3,703	-72	-1.9%	\$48,365	\$70,826	\$63,456	\$81,318	138	234	-36	336	Bachelor's degree	None	Moderate-term on-the-job training				
13-1031 Claims Adjusters, Examiners, and Investigators	2,572	2,459	-113	-4.4%	\$49,621	\$72,464	\$64,074	\$81,310	69	130	-56	143	High school diploma						

19-2012	Physicists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	None
19-2021	Atmospheric and Space Scientists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-2031	Chemists	950	969	19	2.0%	\$58,152	\$88,065	\$79,442	\$104,943	16	62	10	88	Bachelor's degree	None	None
19-2032	Materials Scientists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including Health	122	126	4	3.3%	\$48,895	\$68,449	\$59,257	\$79,001	2	8	2	12	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	81	81	0	0.0%	\$50,734	\$79,705	\$82,421	\$96,970	1	6	0	7	Bachelor's degree	None	None
19-2043	Hydrologists	41	41	0	0.0%	\$88,536	\$86,155	\$99,331	\$99,462	0	3	0	3	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-3011	Economists	73	72	-1	-1.4%	\$53,265	\$97,911	\$78,624	\$130,397	2	4	0	6	Master's degree	None	None
19-3022	Survey Researchers	n/a	n/a	n/a	n/a	\$46,344	\$60,029	\$58,346	\$60,112	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3033	Clinical and Counseling Psychologists	544	560	16	2.9%	\$54,515	\$72,292	\$69,446	\$80,796	16	19	8	43	Doctoral or professional degree	None	Internship/residency
19-3034	School Psychologists	132	135	3	2.3%	\$60,519	\$84,833	\$78,733	\$98,570	3	7	2	12	Master's degree	None	Internship/residency
19-3035	Psychologists, All Other	238	239	1	0.4%	\$93,475	\$96,647	\$104,942	\$112,174	8	8	0	16	Master's degree	None	Internship/residency
19-3041	Sociologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3051	Urban and Regional Planners	88	84	-4	-4.6%	\$62,043	\$75,327	\$78,221	\$82,146	2	6	-2	6	Master's degree	None	None
19-3091	Anthropologists and Archeologists	104	104	0	0.0%	\$29,817	\$45,272	\$36,564	\$53,396	2	7	0	9	Master's degree	None	None
19-3092	Geographers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-3093	Historians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	96	97	1	1.0%	\$56,393	\$73,806	\$66,851	\$94,046	2	6	0	8	Bachelor's degree	None	None
19-4012	Agricultural Technicians	105	109	4	3.8%	\$36,974	\$50,926	\$50,727	\$66,637	2	13	2	17	Associate's degree	None	Moderate-term on-the-job training
19-4013	Food Science Technicians	96	101	5	5.2%	\$73,172	\$67,844	\$73,172	\$73,172	2	12	2	16	Associate's degree	None	Moderate-term on-the-job training
19-4021	Biological Technicians	318	324	6	1.9%	\$38,044	\$51,469	\$47,971	\$60,619	9	32	3	44	Bachelor's degree	None	None
19-4031	Chemical Technicians	252	259	7	2.8%	\$37,274	\$47,789	\$46,344	\$54,509	6	26	4	36	Associate's degree	None	Moderate-term on-the-job training
19-4042	Environmental Science and Protection Technicians, Including Health	292	296	4	1.4%	\$36,391	\$53,648	\$46,910	\$66,129	6	24	2	32	Associate's degree	None	None
19-4043	Geological Technicians, Except Hydrologic Technicians	35	36	1	2.9%	\$66,642	\$94,585	\$76,548	\$123,011	1	3	0	4	Associate's degree	None	Moderate-term on-the-job training
19-4044	Hydrologic Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate's degree	None	Moderate-term on-the-job training
19-4051	Nuclear Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate's degree	None	Moderate-term on-the-job training
19-4061	Social Science Research Assistants	363	374	11	3.0%	\$48,742	\$55,055	\$48,890	\$61,392	10	36	6	52	Bachelor's degree	None	None
19-4071	Forest and Conservation Technicians	79	80	1	1.3%	\$29,466	\$31,085	\$29,460	\$29,460	2	8	0	10	Associate's degree	None	None
19-4092	Forensic Science Technicians	64	62	-2	-3.1%	\$46,981	\$58,165	\$58,961	\$61,932	2	6	-1	7	Bachelor's degree	None	Moderate-term on-the-job training
19-4099	Life, Physical, and Social Science Technicians, All Other	1,825	1,874	49	2.7%	\$38,709	\$44,948	\$38,709	\$49,086	50	178	24	252	Associate's degree	None	None
19-5011	Occupational Health and Safety Specialists	606	619	13	2.2%	\$56,688	\$80,044	\$77,589	\$99,709	14	49	6	69	Bachelor's degree	None	None
19-5012	Occupational Health and Safety Technicians	125	128	3	2.4%	\$39,350	\$65,177	\$61,521	\$76,924	3	10	2	15	High school diploma or equivalent	Moderate-term on-the-job training	
21-0000	Community and Social Service Occupations	15,301	15,929	628	4.1%	\$36,907	\$47,617	\$45,657	\$56,680	582	882	314	1,778			
21-1012	Educational, Guidance, and Career Counselors and Advisors	2,860	2,971	111	3.9%	\$41,874	\$53,510	\$47,984	\$60,942	92	147	56	295	Master's degree	None	None
21-1013	Marriage and Family Therapists	n/a	n/a	n/a	n/a	\$40,729	\$48,854	\$48,559	\$51,460	n/a	n/a	n/a	n/a	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	619	656	37	6.0%	\$37,189	\$42,530	\$43,149	\$46,664	24	33	18	75	Bachelor's degree	None	None
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	1,706	1,801	95	5.6%	\$36,907	\$48,265	\$46,913	\$59,791	64	98	48	210	Bachelor's degree	None	None
21-1019	Counselors, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
21-2021	Child, Family, and School Social Workers	2,635	2,785	150	5.7%	\$36,744	\$42,709	\$38,433	\$47,447	88	162	75	325	Bachelor's degree	None	None
21-2022	Healthcare Social Workers	2,238	2,336	98	4.4%	\$38,223	\$52,381	\$48,947	\$61,860	91	122	49	262	Bachelor's degree	None	Internship/residency
21-2023	Mental Health and Substance Abuse Social Workers	559	581	22	3.9%	\$38,517	\$45,791	\$45,432	\$59,600	28	23	11	62	Bachelor's degree	None	Internship/residency
21-2029	Social Workers, All Other	342	343	1	0.3%	\$36,744	\$46,068	\$41,418	\$74,339	12	20	0	32	Bachelor's degree	None	None
21-2091	Health Education Specialists	469	478	9	1.9%	\$41,250	\$57,033	\$54,456	\$61,868	20	32	4	56	Bachelor's degree	None	None
21-2092	Probation Officers and Correctional Treatment Specialists	592	561	-31	-5.2%	\$36,744	\$41,880	\$36,744	\$46,301	16	32	-16	32	Bachelor's degree	None	Short-term on-the-job training
21-2093	Social and Human Service Assistants	1,198	1,250	52	4.3%	\$29,096	\$35,729	\$32,456	\$38,771	58	82	26	166	High school diploma or equivalent	None	Short-term on-the-job training
21-2094	Community Health Workers	886	916	30	3.4%	\$36,744	\$42,471	\$38,972	\$46,919	36	60	15	111	High school diploma or equivalent	None	Short-term on-the-job training
21-2099	Community and Social Service Specialists, All Other	561	583	22	3.9%	\$37,306	\$46,141	\$46,301	\$50,180	24	38	11	73	Bachelor's degree	None	None
21-2021	Clergy	296	305	9	3.0%	\$48,559	\$58,819	\$61,043	\$64,870	12	16	4	32	Bachelor's degree	None	Moderate-term on-the-job training
21-2021	Directors, Religious Activities and Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	None
21-2099	Religious Workers, All Other	n/a	n/a	n/a	n/a	\$29,145	\$51,360	\$46,762	\$59,447	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
23-0000	Legal Occupations	9,673	9,791	118	1.2%	\$53,385										

27-3023	News Analysts, Reporters, and Journalists	181	165	-16	-8.8%	\$30,309	\$46,396	\$39,069	\$47,523	6	14	-8	12	Bachelor's degree	None	None
27-3031	Public Relations Specialists	3,819	3,885	66	1.7%	\$47,035	\$66,649	\$60,363	\$78,030	96	240	33	369	Bachelor's degree	None	None
27-3041	Editors	416	378	-38	-9.1%	\$37,650	\$63,889	\$61,726	\$80,567	17	24	-19	22	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	298	298	0	0.0%	\$55,632	\$76,593	\$78,089	\$98,681	8	18	0	26	Bachelor's degree	Less than 5 years	Short-term on-the-job training
27-3043	Writers and Authors	851	859	8	0.9%	\$49,449	\$66,389	\$61,701	\$72,256	38	48	4	90	Bachelor's degree	None	Long-term on-the-job training
27-3091	Interpreters and Translators	176	178	2	1.1%	\$38,585	\$48,996	\$48,929	\$52,287	10	8	1	19	Bachelor's degree	None	None
27-3092	Court Reporters and Simultaneous Captioners	86	82	-4	-4.7%	\$61,576	\$60,602	\$61,576	\$61,576	6	4	-2	8	Postsecondary non-degree award	None	Short-term on-the-job training
27-3099	Media and Communication Workers, All Other	262	275	13	5.0%	\$39,129	\$62,450	\$47,782	\$76,947	7	18	6	31	High school diploma or equivalent	None	Short-term on-the-job training
27-4011	Audio and Video Technicians	686	692	6	0.9%	\$48,102	\$71,528	\$59,771	\$75,938	18	47	3	68	Postsecondary non-degree award	None	Short-term on-the-job training
27-4012	Broadcast Technicians	108	113	5	4.6%	\$23,654	\$50,885	\$48,879	\$67,705	3	8	2	13	Associate's degree	None	Short-term on-the-job training
27-4014	Sound Engineering Technicians	117	120	3	2.6%	\$48,787	\$60,638	\$48,787	\$61,726	3	8	2	13	Postsecondary non-degree award	None	Short-term on-the-job training
27-4015	Lighting Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Short-term on-the-job training
27-4021	Photographers	878	893	15	1.7%	\$26,841	\$40,652	\$33,884	\$48,995	30	48	8	86	High school diploma or equivalent	None	Moderate-term on-the-job training
27-4031	Camera Operators, Television, Video, and Film	107	109	2	1.9%	\$53,757	\$61,976	\$61,531	\$76,787	4	7	1	12	Bachelor's degree	None	None
27-4032	Film and Video Editors	119	123	4	3.4%	\$33,813	\$53,786	\$49,487	\$70,777	4	8	2	14	Bachelor's degree	None	None
27-4099	Media and Communication Equipment Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
29-0000	Healthcare Practitioners and Technical Occupations	80,561	81,404	843	1.1%	\$47,380	\$85,529	\$62,358	\$93,806	2,432	2,260	422	5,114			
29-1011	Chiropractors	320	325	5	1.6%	\$61,335	\$118,308	\$98,881	\$161,812	7	2	2	11	Doctoral or professional degree	None	None
29-1021	Dentists, General	850	857	7	0.8%	\$111,948	\$177,346	\$168,996	\$168,996	18	6	4	28	Doctoral or professional degree	None	None
29-1023	Orthodontists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Internship/residency	Internship/residency	
29-1029	Dentists, All Other Specialists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	
29-1031	Dietitians and Nutritionists	818	832	14	1.7%	\$47,233	\$57,253	\$48,621	\$63,321	28	26	7	61	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	378	379	1	0.3%	\$102,888	\$167,879	\$146,897	\$146,897	8	4	0	12	Doctoral or professional degree	None	None
29-1051	Pharmacists	3,277	3,212	-65	-2.0%	\$121,070	\$122,210	\$129,426	\$145,905	69	58	-32	95	Doctoral or professional degree	None	None
29-1071	Physician Assistants	926	974	48	5.2%	\$63,158	\$89,491	\$78,232	\$111,520	20	32	24	76	Master's degree	None	None
29-1081	Podiatrists	77	77	0	0.0%	\$82,478	\$131,780	\$96,322	\$173,368	2	0	0	2	Doctoral or professional degree	None	Internship/residency
29-1122	Occupational Therapists	1,246	1,280	34	2.7%	\$61,499	\$81,950	\$78,824	\$98,789	35	38	17	90	Master's degree	None	None
29-1123	Physical Therapists	2,389	2,462	73	3.1%	\$75,461	\$85,337	\$79,396	\$99,833	59	47	36	142	Doctoral or professional degree	None	None
29-1124	Radiation Therapists	183	185	2	1.1%	\$75,491	\$85,472	\$77,449	\$95,623	4	4	1	9	Associate's degree	None	None
29-1125	Recreational Therapists	124	123	-1	-0.8%	\$37,188	\$49,947	\$47,057	\$58,748	4	6	0	10	Bachelor's degree	None	None
29-1126	Respiratory Therapists	1,219	1,243	24	2.0%	\$55,754	\$61,870	\$60,845	\$70,203	35	29	12	76	Associate's degree	None	None
29-1127	Speech-Language Pathologists	998	1,043	45	4.5%	\$61,499	\$80,532	\$78,553	\$96,047	28	33	22	83	Master's degree	None	Internship/residency
29-1129	Therapists, All Other	265	271	6	2.3%	\$47,584	\$50,780	\$47,887	\$55,355	9	8	3	20	Bachelor's degree	None	None
29-1131	Veterinarians	574	593	19	3.3%	\$77,651	\$91,670	\$81,978	\$107,040	12	8	10	30	Doctoral or professional degree	None	None
29-1141	Registered Nurses	30,759	31,071	312	1.0%	\$59,645	\$70,480	\$70,463	\$78,930	991	768	156	1,915	Bachelor's degree	None	None
29-1151	Nurse Anesthetists	684	697	13	1.9%	\$132,454	\$176,545	\$168,998	\$168,998	16	18	6	40	Master's degree	None	None
29-1161	Nurse Midwives	36	37	1	2.8%	\$42,405	\$95,681	\$110,634	\$121,009	1	1	0	2	Master's degree	None	None
29-1171	Nurse Practitioners	2,992	3,206	214	7.2%	\$96,041	\$104,907	\$101,861	\$121,070	70	88	107	265	Master's degree	None	None
29-1181	Audiologists	98	101	3	3.1%	\$75,038	\$77,025	\$75,038	\$80,199	2	2	2	6	Doctoral or professional degree	None	None
29-1211	Anesthesiologists	337	337	0	0.0%	n/a	n/a	n/a	n/a	6	3	0	9	Doctoral or professional degree	None	Internship/residency
29-1212	Cardiologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1	0	0	1	Doctoral or professional degree	None	Internship/residency
29-1213	Dermatologists	51	52	1	2.0%	n/a	n/a	n/a	n/a	1	0	0	1	Doctoral or professional degree	None	Internship/residency
29-1214	Emergency Medicine Physicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1	0	0	1	Doctoral or professional degree	None	Internship/residency
29-1215	Family Medicine Physicians	2,649	2,657	8	0.3%	\$60,194	\$187,796	\$122,152	\$122,152	51	24	4	79	Doctoral or professional degree	None	Internship/residency
29-1216	General Internal Medicine Physicians	732	732	0	0.0%	n/a	n/a	n/a	n/a	14	6	0	20	Doctoral or professional degree	None	Internship/residency
29-1217	Neurologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	0	0	1	Doctoral or professional degree	None	Internship/residency
29-1218	Obstetricians and Gynecologists	39	38	-1	-2.6%	n/a	\$243,236	n/a	n/a	0	0	0	0	Doctoral or professional degree	None	Internship/residency
29-1221	Pediatricians, General	102	102	0	0.0%	\$195,452	\$194,353	\$195,549	\$195,549	2	1	0	3	Doctoral or professional degree	None	Internship/residency
29-1222	Physicians, Pathologists	626	630	4	0.6%	n/a	n/a	n/a	n/a	12	6	2	20	Doctoral or professional degree	None	Internship/residency
29-1223	Psychiatrists	174	179	5	2.9%	\$123,898	\$305,278	n/a	n/a	4	2	2	8	Doctoral or professional degree	None	Internship/residency
29-1224	Radiologists	680	682	2	0.3%	n/a	n/a	n/a	n/a	13	6	1	20	Doctoral or professional degree	None	Internship/residency

37-2019	Building Cleaning Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
37-2021	Pest Control Workers	n/a	n/a	n/a	n/a	\$29,530	\$41,969	\$36,051	\$45,655	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	8,668	8,853	185	2.1%	\$29,234	\$35,316	\$34,432	\$37,188	418	722	92	1,232	No formal educational credential	None	Short-term on-the-job training	
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	136	137	1	0.7%	\$31,703	\$36,808	\$34,496	\$40,945	4	14	0	18	High school diploma or equivalent	None	Moderate-term on-the-job training	
37-3013	Tree Trimmers and Pruners	1,076	1,100	24	2.2%	\$39,181	\$48,671	\$49,030	\$61,729	40	109	12	161	High school diploma or equivalent	None	Short-term on-the-job training	
37-3019	Grounds Maintenance Workers, All Other	522	539	17	3.3%	\$32,417	\$35,560	\$32,417	\$32,417	16	52	8	76	No formal educational credential	None	Short-term on-the-job training	
39-0000 Personal Care and Service Occupations	35,480	36,943	1,463	4.1%	\$23,346	\$32,235	\$27,351	\$35,894	2,576	3,782	732	7,090					
39-1013	First-Line Supervisors of Gambling Services Workers	248	288	40	16.1%	\$47,783	\$54,223	\$47,842	\$62,701	13	20	20	53	High school diploma or equivalent	Less than 5 years	None	
39-1014	First-line Supervisors of Entertainment And Recreation Workers, Except Govt. Workers	1,461	1,518	57	3.9%	\$30,028	\$43,209	\$38,047	\$48,032	71	110	20	209	High school diploma or equivalent	Less than 5 years	None	
39-1022	First-line Supervisors of Personal Service Workers	477	490	13	2.7%	\$37,293	\$46,515	\$47,129	\$53,270	23	36	6	65	High school diploma or equivalent	Less than 5 years	None	
39-2011	Animal Trainers	184	191	7	3.8%	\$26,953	\$34,336	\$29,821	\$36,363	10	18	4	32	High school diploma or equivalent	None	Moderate-term on-the-job training	
39-2021	Animal Caretakers	4,367	4,502	135	3.1%	\$23,556	\$29,293	\$27,195	\$29,755	308	511	68	887	High school diploma or equivalent	None	Short-term on-the-job training	
39-3011	Gambling Dealers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	
39-3012	Gambling and Sports Book Writers and Runners	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	
39-3019	Gambling Service Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	
39-3021	Motion Picture Projectionists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	
39-3031	Ushers, Lobby Attendants, and Ticket Takers	918	981	63	6.9%	\$22,938	\$27,800	\$25,923	\$29,150	136	134	32	302	No formal educational credential	None	Short-term on-the-job training	
39-3091	Amusement and Recreation Attendants	1,851	1,879	28	1.5%	\$22,746	\$25,120	\$22,907	\$25,951	210	284	14	508	No formal educational credential	None	Short-term on-the-job training	
39-3092	Costume Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	362	364	2	0.6%	\$22,773	\$27,380	\$25,693	\$29,258	41	56	1	98	High school diploma or equivalent	None	Short-term on-the-job training	
39-3099	Entertainment Attendants and Related Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	
39-4011	Embalmers	54	53	-1	-1.9%	\$53,894	\$74,701	\$56,081	\$108,260	4	6	0	10	Associate's degree	None	Long-term on-the-job training	
39-4012	Crematory Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	
39-4021	Funeral Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	
39-4031	Morticians, Undertakers, and Funeral Arrangers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate's degree	None	Long-term on-the-job training	
39-5011	Barbers	489	493	4	0.8%	\$23,074	\$39,083	\$28,809	\$62,081	20	38	2	60	Postsecondary non-degree award	None	None	
39-5012	Hairdressers, Hairstylists, and Cosmetologists	4,166	4,164	-2	-0.1%	\$23,939	\$36,891	\$30,295	\$47,914	258	316	-1	573	Postsecondary non-degree award	None	None	
39-5092	Manicurists and Pedicurists	339	342	3	0.9%	\$23,266	\$33,106	\$29,267	\$38,583	18	24	2	44	Postsecondary non-degree award	None	None	
39-5094	Skincare Specialists	452	455	3	0.7%	\$28,569	\$33,559	\$29,821	\$34,573	25	38	2	65	Postsecondary non-degree award	None	None	
39-6011	Baggage Porters and Bellhops	238	263	25	10.5%	\$22,478	\$24,721	\$22,757	\$26,143	14	25	12	51	High school diploma or equivalent	None	Short-term on-the-job training	
39-6012	Concierges	95	101	6	6.3%	\$24,156	\$26,830	\$26,014	\$26,016	6	10	3	19	High school diploma or equivalent	None	Moderate-term on-the-job training	
39-7010	Tour and Travel Guides	528	565	37	7.0%	\$22,756	\$29,198	\$24,040	\$32,452	42	63	18	123	High school diploma or equivalent	None	Moderate-term on-the-job training	
39-9011	Childcare Workers	9,842	10,332	490	5.0%	\$23,346	\$27,070	\$26,485	\$27,897	739	948	245	1,932	High school diploma or equivalent	None	Short-term on-the-job training	
39-9031	Exercise Trainers and Group Fitness Instructors	4,240	4,508	268	6.3%	\$25,687	\$41,462	\$36,727	\$48,591	276	502	134	912	High school diploma or equivalent	None	Short-term on-the-job training	
39-9032	Recreation Workers	3,249	3,392	143	4.4%	\$23,196	\$30,522	\$28,926	\$35,860	244	422	72	738	High school diploma or equivalent	None	Short-term on-the-job training	
39-9041	Residential Advisors	360	372	12	3.3%	\$23,326	\$31,333	\$28,990	\$36,589	21	42	6	69	High school diploma or equivalent	None	Short-term on-the-job training	
39-9099	Personal Care and Service Workers, All Other	231	237	6	2.6%	\$23,290	\$27,622	\$29,471	\$30,096	16	24	3	43	High school diploma or equivalent	None	Short-term on-the-job training	
41-0000 Sales and Related Occupations	95,370	92,428	-2,942	-3.1%	\$25,947	\$45,415	\$30,371	\$49,172	5,414	7,086	-1,471	11,029					
41-1011	First-Line Supervisors of Retail Sales Workers	9,777	9,366	-411	-4.2%	\$31,775	\$45,523	\$38,269	\$49,031	396	654	-206	844	High school diploma or equivalent	Less than 5 years	None	
41-1012	First-Line Supervisors of Non-Retail Sales Workers	2,930	2,928	-2	-0.1%	\$59,312	\$92,434	\$77,465	\$119,513	101	168	-1	268	High school diploma or equivalent	Less than 5 years	None	
41-2011	Cashiers	20,443	19,320	-1,123	-5.5%	\$23,247	\$26,450	\$25,821	\$27,641	1,910	1,840	-562	3,188	No formal educational credential	None	Short-term on-the-job training	
41-2012	Gambling Change Persons and Booth Cashiers	117	138	21	18.0%	\$29,078	\$35,123	\$30,122	\$36,597	12	12	10	34	No formal educational credential	None	Short-term on-the-job training	
41-2021	Counter and Rental Clerks	2,026	2,006	-20	-1.0%	\$27,079	\$36,137	\$30,191	\$41,781	118	129	-10	237	No formal educational credential	None	Short-term on-the-job training	
41-2022	Parts Salespersons	1,729	1,737	8	0.5%	\$29,389	\$40,393	\$37,058	\$47,623	87	131	4	222	No formal educational credential	None	Moderate-term on-the-job training	
41-2031	Retail Salespersons	24,507	23,295	-1,212	-5.0%	\$23,796	\$32,641	\$28,377	\$33,371	1,536	1,936	-606	2,866	No formal educational credential	None	Short-term on-the-job training	
41-3011	Advertising Sales Agents	1,058	1,016	-42	-4.0%	\$30,563	\$49,151	\$46,370	\$61,435	38	87	-21	104	High school diploma or equivalent	None	Moderate-term on-the-job training	
41-3021	Insurance Sales Agents	4,507	4,379	-128	-2.8%	\$44,482	\$63,805	\$47,913	\$75,319	176	230	-64	342	High school diploma or equivalent	None	Moderate-term on-the-job training	
41-3031	Securities, Commodities, and Financial Services Sales Agents	3,529	3,480	-49	-1.4%	\$48,535	\$74,178	\$61,153	\$91,594	96	203	-24	275	Bachelor's degree	None		

47-2132	Insulation Workers, Mechanical	236	245	9	3.8%	\$37,912	\$49,382	\$48,211	\$48,609	7	14	4	25	High school diploma or equivalent	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	3,379	3,434	55	1.6%	\$44,041	\$56,246	\$54,458	\$68,687	114	174	28	316	No formal educational credential	None	Moderate-term on-the-job training
47-2142	Paperhangers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Long-term on-the-job training
47-2151	Pipelayers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	4,305	4,410	105	2.4%	\$47,681	\$68,207	\$62,820	\$97,722	144	294	52	490	High school diploma or equivalent	None	Short-term on-the-job training
47-2161	Plasterers and Stucco Masons	73	76	3	4.1%	\$42,354	\$46,864	\$42,355	\$53,283	2	4	2	8	No formal educational credential	None	Apprenticeship
47-2173	Reinforcing Iron and Rebar Workers	266	274	8	3.0%	\$66,667	\$69,405	\$73,791	\$76,768	10	15	4	29	High school diploma or equivalent	None	Long-term on-the-job training
47-2181	Roofers	837	858	21	2.5%	\$35,660	\$50,494	\$47,129	\$63,503	25	53	10	88	No formal educational credential	None	Apprenticeship
47-2211	Sheet Metal Workers	1,396	1,419	23	1.7%	\$46,909	\$68,771	\$75,917	\$93,078	44	92	12	148	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2221	Structural Iron and Steel Workers	286	294	8	2.8%	\$51,931	\$65,253	\$66,058	\$78,456	8	21	4	33	High school diploma or equivalent	None	Apprenticeship
47-3011	Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	229	231	2	0.9%	\$57,809	\$58,683	\$58,988	\$64,889	8	20	1	29	No formal educational credential	None	Short-term on-the-job training
47-3012	Helpers—Carpenters	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-3013	Helpers—Electricians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
47-3014	Helpers—Painters, Paperhangers, Plasterers, and Stucco Masons	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-3015	Helpers—Pipelayers, Plumbers, Pipefitters, and Steamfitters	124	128	4	3.2%	\$34,417	\$44,199	\$34,805	\$58,660	4	11	2	17	High school diploma or equivalent	None	Short-term on-the-job training
47-3019	Helpers, Construction Trades, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-4011	Construction and Building Inspectors	778	736	-42	-5.4%	\$47,502	\$59,876	\$59,463	\$62,719	48	44	-21	71	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training
47-4031	Fence Erectors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	760	736	-24	-3.2%	\$33,255	\$39,386	\$36,988	\$46,731	34	42	-12	64	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4061	Rail-Track Laying and Maintenance Equipment Operators	86	89	3	3.5%	\$42,242	\$62,622	\$61,887	\$78,639	2	4	2	8	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	58	58	0	0.0%	\$47,527	\$58,646	\$47,641	\$79,969	2	4	0	6	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4090	Miscellaneous Construction and Related Workers	78	75	-3	-3.9%	\$36,762	\$43,593	\$36,762	\$46,167	3	6	-2	7	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5012	Rotary Drill Operators, Oil and Gas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil and Gas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	195	195	0	0.0%	\$42,412	\$46,231	\$46,538	\$46,823	6	14	0	20	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
47-5023	Earth Drillers, Except Oil and Gas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	Less than 5 years	Moderate-term on-the-job training
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	41	41	0	0.0%	\$42,860	\$61,696	\$54,467	\$75,941	2	2	0	4	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
47-5041	Continuous Mining Machine Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
47-5044	Loading and Moving Machine Operators, Underground Mining	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-5049	Underground Mining Machine Operators, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
47-5051	Rock Splitters, Quarry	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-5081	Helpers—Extraction Workers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
49-0000 Installation, Maintenance, and Repair Occupations		46,712	47,185	473	1.0%	\$37,421	\$53,728	\$48,318	\$62,505	1,718	2,816	236	4,770			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	4,230	4,261	31	0.7%	\$50,149	\$70,587	\$64,161	\$80,248	159	236	16	411	High school diploma or equivalent	Less than 5 years	None
49-2011	Computer, Automated Teller, and Office Machine Repairers	1,187	1,180	-7	-0.6%	\$36,450	\$43,007	\$40,015	\$47,605	40	86	-4	122	Some college, no degree	None	Short-term on-the-job training
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	155	160	5	3.2%	\$38,087	\$50,597	\$48,620	\$62,185	6	12	2	20	Associate's degree	None	Moderate-term on-the-job training
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1,532	1,445	-87	-5.7%	\$51,537	\$61,733	\$62,026	\$67,481	57	112	-44	125	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-2091	Avionics Technicians	178	181	3	1.7%	\$77,801	\$76,573	\$77,801	\$77,801	6	8	2	16	Associate's degree	None	None
49-2092	Electric Motor, Power Tool, and Related Repairers	136	131	-5	-3.7%	\$37,375	\$51,488	\$47,396	\$63,060	4	7	-2	9	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	73	73	0	0.0%	\$45,896	\$55,094	\$58,009	\$67,382	2	4	0	6	Postsecondary non-degree award	None	Long-term on-the-job training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	198	198	0	0.0%	\$29,931	\$42,659	\$32,093	\$60,361	6	12	0	18	Postsecondary non-degree award	None	Long-term on-the-job training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	89	91	2	2.3%	\$61,508	\$87,563	\$95,792	\$101,152	3	6	1	10	Postsecondary non-degree award	Less than 5 years	Moderate-term on-the-job training
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	110	107	-3	-2.7%	\$32,313	\$42,996	\$37,351	\$51,733	4	6	-2	8	High school diploma or equivalent	None	Moderate-term on-the-job training
49-2097	Audiovisual Equipment Installers and Repairers	547	548	1	0.2%	\$37,648	\$48,024	\$47,593	\$56,556	20	38	0	58	Postsecondary non-degree award	None	Short-term on-the-job training
49-2098	Security and Fire Alarm Systems Installers	402	413	11	2.7%	\$41,814	\$56,367	\$60,393	\$76,733	14	29	6	49	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3011	Aircraft Mechanics and Service Technicians	1,064	1,067	3	0.3%	\$48,184	\$69,835	\$78,272	\$84,121	32	52	2	86	Postsecondary non-degree award	None	None
49-3021	Automotive Body and Related Repairers	1,299	1,305	6	0.5%	\$45,937	\$52,824	\$47,912	\$59,768	50	74	3	127	High school diploma or equivalent	None	Long-term on-the-job training
49-3022	Automotive Glass Installers and Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	6,310	6,311	1	0.0%	\$32,866	\$44,316	\$44,658	\$56,636	218	400	0	618</			

51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	339	348	9	2.7%	\$35,887	\$46,176	\$40,180	\$53,475	10	26	4	40	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	320	327	7	2.2%	\$29,947	\$42,899	\$38,389	\$48,624	12	24	4	40	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	859	879	20	2.3%	\$29,948	\$39,635	\$34,497	\$48,556	32	64	10	106	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	233	228	-5	-2.2%	\$34,526	\$40,482	\$39,103	\$48,556	12	17	-2	27	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators	426	433	7	1.6%	\$36,754	\$42,423	\$44,143	\$51,377	14	29	4	47	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	50	49	-1	-2.0%	\$45,342	\$47,923	\$49,417	\$53,423	2	4	0	6	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	3,678	3,717	39	1.1%	\$37,624	\$48,899	\$48,051	\$59,584	160	296	20	476	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	238	220	-18	-7.6%	\$47,322	\$50,113	\$50,553	\$60,392	14	16	-9	21	High school diploma or equivalent	None	Long-term on-the-job training
51-9081	Dental Laboratory Technicians	479	467	-12	-2.5%	\$35,436	\$42,318	\$37,916	\$47,187	24	38	-6	56	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9082	Medical Appliance Technicians	297	298	1	0.3%	\$32,683	\$49,388	\$41,407	\$51,666	16	24	0	40	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9083	Ophthalmic Laboratory Technicians	427	421	-6	-1.4%	\$29,713	\$38,847	\$37,461	\$47,440	22	34	-3	53	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	3,772	3,902	130	3.5%	\$29,957	\$47,347	\$38,368	\$74,580	178	261	65	504	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1,481	1,486	5	0.3%	\$34,636	\$46,394	\$46,213	\$58,862	44	103	2	149	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9141	Semiconductor Processing Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9151	Photographic Process Workers and Processing Machine Operators	123	122	-1	-0.8%	\$26,836	\$34,217	\$27,044	\$40,541	4	12	0	16	High school diploma or equivalent	None	Short-term on-the-job training
51-9161	Computer Numerically Controlled Tool Operators	1,911	1,903	-8	-0.4%	\$37,925	\$47,452	\$47,116	\$59,731	61	137	-4	194	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9162	Computer Numerically Controlled Tool Programmers	339	356	17	5.0%	\$48,922	\$60,427	\$60,855	\$76,668	11	25	8	44	Postsecondary non-degree award	None	Moderate-term on-the-job training
51-9191	Adhesive Bonding Machine Operators and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	81	83	2	2.5%	\$28,992	\$38,037	\$36,917	\$46,524	4	6	1	11	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9193	Cooling and Freezing Equipment Operators and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9194	Etchers and Engravers	36	35	-1	-2.8%	\$29,607	\$36,293	\$32,457	\$37,550	2	2	0	4	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	484	497	13	2.7%	\$35,863	\$43,612	\$39,846	\$50,233	21	32	6	59	High school diploma or equivalent	None	Long-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	761	759	-2	-0.3%	\$46,706	\$46,498	\$47,839	\$48,619	40	53	-1	92	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9197	Tire Builders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9198	Helpers—Production Workers	956	955	-1	-0.1%	\$29,309	\$34,274	\$31,640	\$38,953	60	86	0	146	High school diploma or equivalent	None	Short-term on-the-job training
51-9199	Production Workers, All Other	1,475	1,522	47	3.2%	\$29,060	\$35,728	\$29,264	\$34,435	61	110	24	195	High school diploma or equivalent	None	Moderate-term on-the-job training
53-0000 Transportation and Material Moving Occupations		83,117	83,794	677	0.8%	\$29,320	\$41,098	\$36,907	\$47,879	4,476	7,094	338	11,908			
53-1041	Aircraft Cargo Handling Supervisors	95	96	1	1.1%	\$48,754	\$61,199	\$49,589	\$80,034	4	8	0	12	High school diploma or equivalent	Less than 5 years	None
53-1047	Firstline Supervisors of Transportation & Material Moving Workers, Exc Ai	3,255	3,258	3	0.1%	\$39,814	\$58,388	\$57,080	\$70,835	118	267	2	387	High school diploma or equivalent	Less than 5 years	None
53-2011	Airline Pilots, Copilots, and Flight Engineers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training
53-2012	Commercial Pilots	477	499	22	4.6%	\$80,310	\$107,154	\$102,593	\$131,234	20	40	11	71	Postsecondary non-degree award	None	Moderate-term on-the-job training
53-2021	Air Traffic Controllers	73	73	0	0.0%	\$98,842	\$115,518	\$112,403	\$143,645	2	5	0	7	Associate's degree	None	Long-term on-the-job training
53-2022	Airfield Operations Specialists	330	345	15	4.6%	\$29,837	\$34,575	\$30,057	\$37,452	12	24	8	44	High school diploma or equivalent	None	Long-term on-the-job training
53-2031	Flight Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technician	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3031	Driver/Sales Workers	5,367	5,410	43	0.8%	\$24,504	\$34,367	\$28,561	\$45,196	250	381	22	653	High school diploma or equivalent	None	Short-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	12,689	12,814	125	1.0%	\$45,633	\$54,030	\$49,122	\$61,177	592	902	62	1,556	Postsecondary non-degree award	None	Short-term on-the-job training
53-3033	Light Truck Drivers	6,963	7,000	37	0.5%	\$32,529	\$46,773	\$42,159	\$59,629	324	494	18	836	High school diploma or equivalent	None	Short-term on-the-job training
53-3051	Bus Drivers, School	2,806	2,776	-30	-1.1%	\$35,066	\$40,155	\$37,819	\$46,172	297	138	-15	420	High school diploma or equivalent	None	Short-term on-the-job training
53-3052	Bus Drivers, Transit and Intercity	300	306	6	2.0%	\$25,833	\$30,705	\$30,633	\$32,942	24	16	3	43	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3053	Shuttle Drivers and Chauffeurs	1,385	1,405	20	1.4%	\$23,026	\$28,375	\$28,560	\$31,079	104	78	10	192	No formal educational credential	None	Short-term on-the-job training
53-3054	Taxi Drivers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	542	544	2	0.4%	\$21,424	\$31,251	\$28,560	\$31,732	53	34	1	88	No formal educational credential	None	Short-term on-the-job training
53-4011	Locomotive Engineers	133	134	1	0.8%	\$24,500	\$34,214	\$30,122	\$40,541	4	8	0	12	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
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